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Method and means of producing cured coating films

Abstract

10 The present invention relates to a method of producing at least one coating film on at least one area of a substrate surface, which comprises at least the following steps in the following order:

- 15 a) initiating at least one crosslinking reaction in at least one reactive coating formulation;
- b) applying said at least one reactive coating formulation before the onset of said at least one crosslinking reaction on said at least one area of said substrate surface.

20 The present invention additionally relates to a corresponding means of producing at least one coating film on at least one area of a substrate surface, having at least the following elements:

- 25 a) at least one storage container for at least one reactive coating formulation,
- b) at least one exposure unit, preferably a UV exposure unit, more preferably a UV laser, and
- 30 c) at least one application unit having a nozzle, in particular a spraying head, and/or
- d) a bell for electrostatic application (ESTA bell),

wherein said at least one exposure unit is designed so that the radiation generated in said at least one exposure unit is brought into contact with said at least one reactive coating formulation in said at least one application unit.

- 5 Also claimed, finally, is a coating film which can be produced by the method of the invention.

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